

Converting Colors

CIELCh(56, 41.722, 137.484)

Have a look what the booklet for
CIELCh(56, 41.722, 137.484)
contains.

CIELCh(56, 41.765, 137.151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 41.765, 137.151)

Conversions

Conversions Part 1

Format	Color
Hex	5E9353
RGB	94, 147, 83
RGB Percent	37%, 58%, 33%
CMY	0.6310, 0.4231, 0.6741
CMYK	0.36, 0.00, 0.44, 0.42
HSL	110°, 28%, 45%
HSV	110°, 44%, 58%
XYZ	16.6426, 23.9124, 11.9421
YIQ	123.8570, -11.0440, -31.1400

Conversions

Conversions Part 2

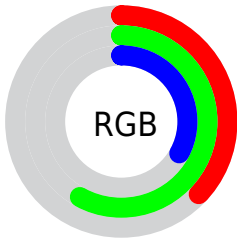
Format	Color
R_{YB}	83, 147, 136
Decimal	6198099
CIE _{Lab}	56.00, -30.62, 28.40
CIE _{LCh}	56, 41.765, 137.151
Yxy	23.9124, 0.3170, 0.4555
Android (android.graphics.Color)	4284388179 (0xFF5E9353)
YUV	123.8570, -20.1425, -26.1846
Hunter-Lab	48.9003, -24.8253, 19.7508

Details

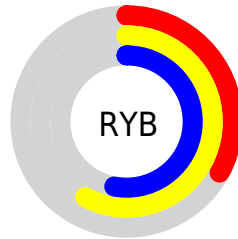
The CIELCh color $56, 41.765, 137.151$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $44, 42.369, 321.515$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 41.670, 136.828$, and $36, 41.908, 137.220$ is the 20% darker color. If you saturate the color by 10%, you get $55, 50.748, 136.443$, and if you desaturate by 10%, it is $57, 32.359, 137.831$.

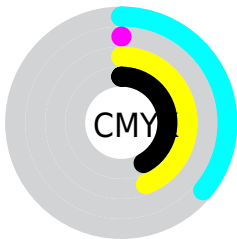
Distribution



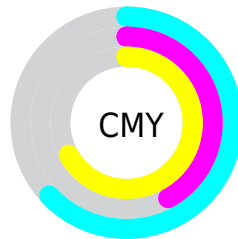
- Red (37%)
- Green (58%)
- Blue (33%)



- Red (33%)
- Yellow (58%)
- Blue (53%)



- Cyan (36%)
- Magenta (0%)
- Yellow (44%)
- Black (42%)





- Cyan (63%)
- Magenta (42%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 41.765, 137.151 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 56, 41.765, 137.151 by changing the saturation by 10% instead.


 56, 41.765,
137.151


 56, 41.765,
137.151


 100, 41.765,
137.151


 46, 41.765,
137.151


 76, 41.765,
137.151

 36, 41.765,
137.151

 86, 41.765,
137.151

 26, 41.765,
137.151

 96, 41.765,
137.151

 16, 41.765,
137.151

 6, 41.765, 137.151

 0, 41.765, 137.151

■ 56, 41.765,
137.151

■ 56, 41.765,
137.151

■ 55, 50.748,
136.443

■ 57, 32.359,
137.831

■ 55, 59.038,
135.758

■ 58, 22.729,
138.455

■ 54, 66.298,
135.181

■ 59, 13.026,
139.016

■ 54, 72.133,
134.829

■ 60, 3.362, 139.540

■ 53, 76.194,
134.812

■ 62, 6.185, 319.883

■ 53, 78.199,
134.806

■ 63, 15.557,
320.263

■ 65, 24.719,
320.579

■ 67, 33.649,
320.846

■ 68, 42.334,
321.074

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56, 41.765, 137.151



44, 42.369, 321.515

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 41.765, 137.151



56, 41.765, 187.151



56, 41.765, 317.151



56, 41.765, 7.151

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56, 41.766, 137.152



75, 15.522, 139.029



56, 29.831, 96.452



40, 10.957, 138.919



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 41.766, 137.152



70, 61.122, 136.475



56, 35.019, 151.155



31, 5.457, 139.239



50, 74.471, 134.752



2, 4.760, 139.645

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44, 42.369, 321.515



52, 62.052, 321.848



44, 35.470, 338.253



29, 5.484, 320.029



28, 74.150, 321.848



1, 4.761, 319.642

Previews

White Background



This preview shows how the CIELCh color 56, 41.765, 137.151 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 41.765, 137.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 41.765, 137.151

Background



This preview shows how black text looks on a background with the CIELCh color 56, 41.765, 137.151.



This preview shows how white text looks on a background with the CIELCh color 56, 41.765, 137.151.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
56, 41.765, 137.151

Protanopia
56, 31.881, 96.527

Deuteranopia
56, 27.493, 74.600



Tritanopia
56, 13.057, 227.481

Trichromacy



Original Color
56, 41.765, 137.151

Protanomaly
56, 33.258, 115.350

Deuteranomaly
55, 27.575, 104.964

Tritanomaly
56, 17.862, 166.788

Monochromacy



Original Color
56, 41.765, 137.151

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 15.385, 138.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 41.765, 137.151 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(94, 147, 83)` looks like.

```
.text, #text, p{  
    color:rgb(94, 147, 83)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(94, 147, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 147, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 41.765, 137.151 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 147, 83) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(94, 147, 83) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(94, 147, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 147, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 147, 83);  
box-shadow:4px 4px 4px 4px rgb(94, 147,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 41.765, 137.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 147, 83) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(94, 147,  
83) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor